of the normal than is the electric pres- OFF GOES THE HEAD

lowering of electric presence 28 cent or 41 per cent means a saving power or coal in the same proported for far as power expended on the

se for Bad Working of the Lamps The most obvious fault apparent to be expert observer is the use of an unsually large carbon. While I did not actually measure the diameter at the carbon rods, my amiliarity with them enabled me is see that these rods were five-eighths non in diameter. The standard sizes for any larges for the product of the standard sizes for the larges for the standard sizes. are lamps cas been and still is nexteenths and one-half inch. The object in using a five-eighths inch rod is to enable the user to run a single parton lamp all night without trimming. The result is not satisfactory. The weights of the carbons are proportional areas of al to their cross sectional areas or squares of their diameters. Hence eighths inch carbon weighs at iens fifty per cent more than a half inch carbon. This extra weight drags doen the upper carbon against the pull of the regulating spring and thus shortens the arc; and the shortening of the arc reduces the electric pressure between the carbons. It is doubtful if a
lamp constructed to burn a half inch
carbon can be regulated to burn well
with five-eighths inch carbons. In any
avent a five-eighths inch carbon is less

The common and natural impression that this instrument was designed
by Dr. Guillotin, whose name it bears.
But it is now pretty well established
that that is not so. Dr. Louis, the permanent secretary of the academy of
medicine, was the inventor of it. There efficient as a light giving device than a

The neavy carbon is only a make hift to avoid the use of double carbon amps for all night are lighting. The ompa for all night are rightness that ble carbon lamps afford the only night electric lighting. All other derices are crude, expensive and unsatis-factory." Heavy five-eighths inch car-bons are certainly expensive and un-minifactory to the taxpayer.

nce the Brush Electric company claims the exclusive right to use the fouble carbon lamp the reasons for the use of the single carbon lamps for all night lighting by the Grand Kapids Electric Light & Power company are not apparent, since their lighting is done by means of Brush apparatus.

I append some measurements made on the Thompson-Houston street lamps in Ann Arbor last evening. I have frequently measured the current in this mp No. 1, 46 to 51.5 volts; lamp

No. 2, 42 to 44 volts; lamp No. 3, 39 to 43 volts; lamp No. 4, 46 to 48 volts; lamp No. 6, 15 to 48 volts.

These lamps were taken at random.

All those burning under 45 volts were giving a good light, but were "hissing." I nose burning above 45 volts were burning with quiet arcs. Half inch parbons were used.

WORK OF THE COMMITTEES.

Various Matters Disposed of Last Even-

At a meeting of council committees last night the matter of the improvement of Oakland avenue again came ment of Oakland avenue again came before the committee on streets. The last committee on streets reported against allowing the contract price for the work. It was finally paid, however, though the committee had reported that the work had not been done according to contract. A final estimate of about \$700 was held back. The committee decided last night to indirect the report made by the committee of the last council. The committee of the last council. The committee will recommend the paving of East bridge, with cedar blocks on concrete

The committee on claims and acdamages from a woman who stated that her leg had been broken by a fall on a defective sidewalk.

The ways and means committee considered plans by which the city might realize something on the \$30,000 worth

realize something on the \$30,000 worth of claims on proproperty which was bid in for special improvement taxes. The committee will recommend that the owners of the property be given reasonable notice of the city's intention and be allowed a chance to settle. If they do not settle the property will be sold to the highest bidder. The agent of a Birmingham, England, firm iron street sign manufacturers sub-tted a sample of their work to the muittee on streets. The city will renire abou. 20,000 signs, and at the rice made by the English firm. 40 ents apiece, it would cost some \$7,000 to supply the city. Alderman Ball, chairman of the committee, said that frequently there would be no place to put the signs, as the fences were becoming rarer and property owners would not allow them to be put on their houses. The cost of proper fix-tures would almost double the expense of placing the signs.

Proof Enough.

ter-Your boat is a fast sailer. Skipper (hired cathoat)-You bet she's That's because her bottom is She's smooth as a bottle. Jus' up another sandbag er two, was the tiller. Gots ter be a gale, I

with a party an we upset, and I jus' tell you that there bottom was so smooth not one of as could hold onto it.—New York Weekly.

He Liked the Smell.

"Don't you love the smell of a good eight?" inquired an Austin antipode of Vanderbilt of Gus de Smith.

"You bet I do," replied Gus, his face brightening with anticipation.

"Here you git ten cents about your person?" inquired the first speaker again.

"Yes, what of 15" asked Gus.

Well, you give me ten cents, and a with the usemy I have will pur-me a prime circar."

But what will I get?" said Gna. Why, you'll get the smell. "-Terms

The Dis Intentions Were Good.
The painting marked 'No. 542, Footto of the Ages,' has not the name of
artist affiged to it," wrut the art
c, "but in its broad and generous
tment of the subject. a colorest
p, so to speak, of the al in the
it reveals in own identity. In the
apparatus of the Ages' we recognize
the apparatus of the Ages' we recognize
the apparatus of the Ages' we recognize
the apparatus of the ages and a colorest.

the a pity it is that some of our batts are ill just new?"

"spi" was the surprised quory.

ments if they were I could send ment of the sice july," was the incest ment.—Th Bits.

By the Use of the Deadly Guillotine of France.

IT HAS BEEN USED A CENTURY

It Was Invented by a Dr. Louis and No. the Man From Whom It Gets Its Name.

A very interesting centenary fell on April 20 last. Little was said about it and there was no public rejoicing. Yet the thing that might have been honored in some way was a creditable invention, although it has a discreditable history. It is the guillotine. On April 25, 1792, the Highwayman Pelletier was executed on the Place de Greve, in Paris, and the humanitarian invention of Dr. Louis was put in use for the first

It is a common and natural impression that this instrument was designed by Dr. Guillotin, whose name it bears. But it is now pretty well established that that is not so. Dr. Louis, the perwas a general desire for a more merci ful way of inflicting the death penalty. Dr. Louis was filled with this desire as much as anyone, and designed the first model of the guillotine after a rougher Italian contrivance. It was made by one Schmidt, manufac-turer of musical instruments to Queen Marie Antoinette. Two years after-ward the guillotine made from his model was used to cut off the heads of his royal patroness and her husband. Marie Antoinette was interested in the condition of prisoners and was also in favor of reforming the methods of capital punishment. Nobles were usually decapitated with the ax and

common persons in various other ways. Dr. Guillotine wrote a pamphle urging the adoption of the invention of member of the national assembly in consequence of the attention he drew to himself through his advocacy of this instrument. It was at first called the Louison or Louisette, but the name of its warmest advocate was soon given to it. Dr. Guillotin always protested against the use of his name. He did not die by the guillotine, as has been frequently stated. He passed away in 1814 at a good old age.

At the time of the introduction and adoption of the guillotine the whee provinces. Twenty years before Dam-iens had been broken on the wheel, with many horrible details of torture, for his attempt on the life of Louis XV. The invention was, therefore, entirely due to humane motives. The fact that noble persons were decapitated and others hanged by the neck was also repugnant to growing domogratic sen-

During a debate on a law introduced by Dr. Guillotin, the Abbe Maury opposed decapitation on the ground that it would make the people familiar with the sight of blood and would have a degrading effect on them. Dr. Guil-lotin's law contained some very curious clauses. One was to the effect that the execution of a criminal should cast no discredit on the criminal's family, and another was that the executioner will recommend the paving of East should not be shunned by society.

This law was not passed at the time.

Pelletier, not the man who first demonstrated the value of the guillotine, but the editor of a royalist journal called Les Actes des Apotres, made Dr. Guillotin and his godchild the subject of a song. This, the New York World thinks, is what probably fixed the un-fortunate doctor's name on the instru-

On January 24 Dr. Pelletier was condesired to death by the provisional tribunal of Paris for robbery with violence in the streets. There was some uncertainty as to whether the new instrument should be used. Before the execution of Pelletier several experiments were made on dead hodies.

The assembly finally ordered that
he should die by the guillotine,
and his execution took place April 25,
1792. The machine worked well. It 1792. The machine worked well. It was operated by Sanson, in whose family the office of executioner in Paris had been hereditary for many years. The people were very much horror-struck by this execution, according to many accounts, although some of them must have witnessed the brutalities inflicted on the victims of the wheel.

On July 27, 1792, there was a mishap with the guillotine. The wooden grooves had got out of shape and the knife failed to fall promptly. Afterward metal work was substituted, and from that time there has never been

from that time there has never been any bungling with the guillotine. Its

Within a few months of Pelletier's execution the guillotine began its work in assisting the political movements of the time. In August it was taken to the Place du Caroussel. In August the son of the executioner, Sanson, fell off the scaffold and was killed. On one occasion it was removed for one day to the Place de Greve for the execution of some emigres and then back to the Piace de la Revolution for that of two obbers. The Place de Greve was in the center of what is now the Place de la Concorde. It was there that Louis XVI and Marie Autoinette, Mme. Eliz-abeth and Mme. Rosand and other famous persons were put to death. It is estimated by historians that between August 10, 1792, and the 9th "Thermidor," 1794, 40,000 persons were killed by the invention of the ingenious Dr.

The Face Blushed

The execution of Charlotte Corday for the assassination of Maret gave rise to an interesting discussion. When the executioner held up her severed head be struck it with his fist, and hundreds

he struck it with his fist, and hundreds of persons were willing to swear to the fact that the face blushed.

There is a story to the effect that Dr. Guillotin was put in prison for refusing to make a triple machine, but this is uncertain. It does not appear that a triple machine was made. The single one worked quickly enough to cut off the heads of forty-five persons within twenty minutes.

twenty minutes.
Under the empire's restoration the guillotine continued its standing on the Place de Greve, and the sentence feath was regularly carried out. During Louis Philippe's reign the guilio-

Jacques, and in that of Napoleon III to the Place de la Roquette, where it has remained to the day.

Sanson, the executioner during the reign of terror, sold the original guillotine to a man named Curtis for \$5,000, sud he sold it again to his nece. That nince was Mme. Tuesaud, who kept the wax works show in London. The original guillotice is in the hand-of her descendants, who carry on the busi-

execution which took place by the means of the guilletine—that of Pelletier—and the last that of Lieutenant Anastay, for the marder of Baroness Dellard, which took place on the ninth

Two Women Commit Suicide. Line, O., June 2 - Wednesday morning Mrs. Sarah Wards killed herself by taking landanum on account of family trouble, and is the afternoon Mrs. Albert Gest was found dead in her room she having locked herself in and turned on the gas. Her action is attributed to the fact of her shusband deserting her and taking their two children. Colunge in May.

WASHINGTON, June 2.—The coinage of the mints during May aggregated 5,388,900 pieces, valued at 85,079,270. Of this amount 84,115,900 were in gold pieces, \$945,170 in silver and \$47,200 in minor coins.

To Succeed Mills. CAMERON, Tex., June 2.—The convention to nominate to the lower house a successor to Roger Q. Mills selected Lieut. Gov. George W. Pendleton on the 183d ballot.

For Congress.
Bt. Paso, Ill., June 2.—At the demo-

eratic convention of the Niuth congres-sional district Congressman H. W. Snow was named for reelection. Acres of Forest Ablaze.

MAY'S LANDING, N. J., June 2.-A flerce forest fire has been raging in the timber between this place and Egg Harbor since Wednesday morning. It has already burned over several hundred scres of valuable timber land, and is still raging. The little hamlet of Cor-mantown is in danger of being destroyed.

BROOKLYN, June 2 .- Matthew T. G. Commisky, clerk in the post office division of the customs service, who, it is claimed, was yesterday found to have embessied \$6,000 of duties he had col-

lected, has been arrested. Sugar Bounty Claims Paid. WASHINGTON, June 2.- The commissioner of internal revenue reports the payment to date of 2,816 claims for sugar bounty, amounting to \$7,271.095, leaving unsettled \$15 claims involving \$54,681.

Child Crushed to Death. Sr. Louis, June 2.-By the collapse of the front portion of a building at 1438 South Tenth street Wednesday night Henry Beling, aged 2, was crushed to death. A number of children playing near the place were buried under the rains, but with the one exception all escaped with slight injuries.

Surgeons Elect National Officers. Boston, June 2 .- At the session of the American Surgical association Dr. Nicholas Senu, of Chicago, was elected president, and Dr. J. R. West, of Bichmond, Ind., secretary.

milled in Bell-Deren Council Blurrs, Is., June 2.—The coroner has concluded his investigation the shooting case which occurred here Monday morning in which "Jack" Wade, a back driver, was killed and W. M. Jones was wounded. The verdlet is that Jones killed Wade in self-de-

FACTS BRIEFLY STATED.

Twenty of the largest wall-paper makers of the country formed a trust on Wednesday.

Democrats and peoples' party men have agreed to place a fusion ticket in the field in Kansas. Eighty special correspondents left Washington Wednesday over the Penn-

sylvania en route to Minneapolis. The Norwegian steamer Wergeland cleared from Chicago Wednesday for Christiansford, Norway, with a cargo

Middie Morgan, the foremost woman writer on horses and cattle in the United States, died in St. Frances' hospital, Jersey City, on Wednesday.

Dr. Nicholas Sens, of Chicago, was on Wednesday elected president of the American Surgical association at Bos-ton. The next convention will be held

Profs. W. K. Hill and J. A. M. Zeigler, occupying respectively the chairs of natural science and mathematics and astronomy in the Carthage (III.) college, have resigned.

Capt. E. H. Randolph of the Prince of Wales' North Staffordshire regiment, committed suicide by jumping into the sea at Weymouth. He had become insane through overstudy.

Sullivan and Corbett met in New York Wednesday and put up the second installment of the \$10,000 a side which they will fight for. Phil Dwyer was selected to be final stakeholder.

Mrs. Harrison's physician stated on Wednesday that she was not improving as rapidly as was anticipated; that while she is still suffering from nervous prostration there was nothing alarming

Five persons concerned in the recent riots at Lodz have been banished to Siberia. Thirty Germans and twenty five Austriana, suspected of being agi-tators, have been expelled from Russia

Arrangements have been perfecte to put the Niles tool works at Hamil-ton, O., into the hands of a syndicate and to extend the works. The trans-sction involves the issue of \$1,000,000 worth of 6% per seal bonds.

An engine and six cars were ditched on the St. Paul & Duluth road Tuesday night near Storgeon Lake. Wis. A brakeman named Powers was seriously injured. The chair made for the chairman of the Minneapolis convention at a cost of \$600 was demolished.

Pietures of Independence, Liberty and Carpenter halls were presented to the state of Kentucky Wednesday at Lexington by the city of Philadelphia with elaborate ceremonics. Gov. Brown and Congressman Breckiuridge

Herman Fleischeig, aged 35, formerly of Dresden, Germany, later of Belle-ville, Ill., committed suicide at Pana, Ill., by letting a train run over him. Gen. John Ulrich Heidler, commander in chief of the Catholic Knights of St. John of Ohio, died at Dayton, O., Sunday night. He was 60 years old.

The silver convention adjourned sine die on Saturday after making ar-rangements to publish a paper at ir-regular intervals in the interest of free

court to recover property, originally filed upon with a soldiers' warrant, situated in the heart of the city of St. Pictures are printed here of the first | Poul, and valued at \$14.000.000.



We Send Free

by mail to any woman a beautifully illustrated book, containing over 90 pages of most important information about all forms of female complaints. No woman should live without a copy of

"Guide to Health and Etiquette,"

by Lydia E. Pinkham. Thousands of women have been benefited by Mrs. Pinkham's advice after all other medical treatment had failed. Send 2 two-cent stamps to cover postage and packing, when you write for the book. Address

New Chicago Arrangements vis G. R. & I. Railroad.

LYDIA E. PINKHAM MED. CO., Lynn, Mass

Under new arrangements, taking effect May 15, a special Chicago train will leave Grand Rapids at 11:45 a. m. daily except Sunday, via G. R. &. I. pendent of other trains, and arrive in Chicago at 5:25 p. m., with parlor buf-

fet car attached.

Night train with Wagner sleeping car will leave Grand Rapids same as now, at 11:05 p. m. daily, and arrive in Chicago at 7.55 a. m.

Special Grand Rapids train will leave

Chicago at 11:15 p. m. daily, arrive in Grand Rapids at 5:15 a m., Wagner sleeping car attached.

Through buffet parlor car will leave Chicago at 3:10 p. m., daily except Sun-day, and arrive in Grand Rapids at 8:35 p. m., same as now.
Ask for tickets via G. R. & L. and

Have No Equal.

ALCOCK's POROUS PLASTERS have attained a world-wide reputation solely upon their superlative merits. They have many would-be rivals, but have never been equalled or even approached in curative properties and rapidity and safety of action. Their value has been attested by the highest medical authorities, as well as by unimpeachable testimonials from those who have used them, and they are recommended used them, and they are recommended as the best external remedy for weak back, rheumatism, sciatica, colds, coughs, sore throat; chest and stomach affections; kidney difficulties, weak muscles, strains, statches and aches and pains of every discription.

Why rent! Ten new cottages in First and Fifth wards, from \$850 to \$1350, on monthly payments. Apply to Charles W. Coit, No. 53 Pearl street.

Pension Vouchers Executed Free on June 4 at the office of F. I. Darling, No. 32 Old Houseman block. Office open until 8 p. m.

Order GRANT ICE CO. Phone 1ce of GRANT ICE CO. 238.

Tue remarkable growth which, till within two years, was brought about principally by one person telling an-other, is a monument to Garfield Tea's

When Traveling

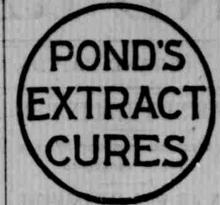
Whether on pleasure bent, or business, take on every trip a bottle or Syrup of Fige, us it acts most pleasantly and effectively on the kidneys, liver and bowels, preventing fevers, headaches and other forms of sickness. For sale in 50 cents and \$1 bottles by all leading druggists.

Bucklen' Arrica Salve The best salve in the world for cuts, bruises, sores, ulcers, salt rheum, fever sores, tetter, chapped hands, chilblains, corns and all skin eruptions, and positively cures piles, or no pay required. It is guaranteed to give perfect satisfaction or money refunded. Price 25 cents per box. For sale by Peck Bros., druggists, ocrner Monroe and Division-sta.

It Should Be in EveryHouse, J. B. Wilson, 371 Clay-st., Sharps burg. Pa., says he will not be without Dr. King's New Discovery fo rCon-sumption. Coughs and Colds, that it cured his wife who was threatened Pneumonia after an attack of "La Grippe." when various other reme-dies and several physicians had done her no good. Robert Barber, of Cooks-port, Pa., claims Dr. King's New Discovery has done him more good than anything he ever used for Lung trou-ble. Nothing like it. Try it. Trial bottles 10 cents at Peek Bros.' drug-store. Large bottles. 50c and \$1.00.

Electric Bitters. This remedy is becoming so well known and so popular as to need no special mention. All who have used Electric Bitters sing the same song of praise - purer medicine does not exist and it is guaranteed to do all that is claimed. Electric Bitters will cue all diseases of the Liver and Kidneys, will remove Pimples, Boils, Salt Rheum and other affections caused by impure blood .- Will drive Malaria from the system and prevent as well as cure as cure all Malaria fevers.-For cure Headache, Constination and Indiges. tion try Electric Bitters-Entire sat-isfaction guaranteed or money re-funded.-Price 50e and \$1.00 per bottle at Peck Bros.' drugstore.





Piles

Boils

Bruises

Sunburn

Wounds

Soreness Sprains

Sore Eyes

Sore Feet Mosquito Bites Hemorrhages Inflammation

AVOID SUBSTITUTES

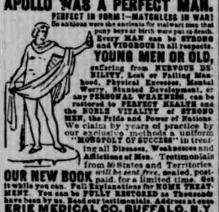
POND'S EXTRACT CO., NEW YORK



Chapped Hands, Wounds, Burns, Etc.

Removes and Prevents Dandruff. AMERICAN FAMILY SOAP.

Best for General Household Use.



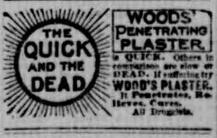


HEADACHE. HEADACHE

HEADACHE.

Mies Lottie Carson of Sar-anac, Mich., writes: "I have been troubled with a ter rible headache for about two years and could not get any-thing to belp me, but at last a friend advised me to take your Buspock Bison Britans which I did, and after taking two bottles I have not had the headache since."





Sold by Puck Bre's and White & White



POND'S VICTORY

IS OURS.

The jostle and jam for our special bargain offerings every Saturday proves beyond a doubt that we have struck a poular chord.

Ladies talk about it. Ladies wait for it. Ladies profit by it.

Chafing Saturday Morning, June 4,

We will place before the people of this section the most distinguished aggregation of rich bargains ever attempted by any house. Read the facts and improve the opportunity. Remember that these prices are limited to the hours between the opening and closing of our store Saturday, June 4.

Domestic Department.

50 pieces, 36-inch wide, 200 pieces Apron Check Challies reduced from 15 Ginghams at cents to

9 cts.

150 pcs Armenian Serge, a yard wide, dress fabric in fancy effect, worth 15 cents, Saturday,

7 cts.

4c Per Yard.

120 pieces Challies, both light and dark effects, at 4c Per Yard.

125 pieces fine French Ginghams; regular value 25c, Saturday

17 cts.

Bargains in Ladies' Waists.

16 dozen Waists reduced | 12 dozen Figured Cam-

\$1.50 to 98c.

12 dozen reduced \$1.25 to 79c.

20 dozen Fine Percale Waists, reduced from

\$1.50 to 98c.

bric Waits, reduced from

50c to 25c.

1 lot Gloria Silk Waists. small sizes, regular value \$3 and \$3 50, for

\$2.25.

Handkerchiefs.

chiefs at - - - - 1c Each

Corsets.

150 Ladies' Dress-form 125 dozen Ladies' Cor-Corsets, regular value \$1.25 sets, worth 75c, for

75 ets.

48 cts.

Crash.

1500 yards Good Towel-1 100 pieces all Linen ing at

3½c Per Yard.

Crash 5c Per Yd Sat.

White Goods.

75 pcs White Nainsook and Lawns in stripes and worth 25c, at plaids, 8c and roc quality.

5 cts.

60 pieces Nainsook in stripes and plaids, worth 18c and 20c, for

124 cts.

500 Babies' Muslin Caps,

7 cts Each.

Several thousand yards Colored Embroideries at you own price.

250 Ladies' Gowns at 48c Saturday Only.

SPRING & COMPANY